

L3 ANSWER 1 OF 1 CA COPYRIGHT 2009 ACS on STN  
AN 126:281722 CA  
OREF 126:54483a, 54486a  
ED Entered STN: 20 May 1997  
TI Lightweight coated ceramic particles  
IN Minagawa, Mitsuo; Minagawa, Osamu; Oohara, Hajime  
PA Ribooru Kk, Japan  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C04B038-00

ICS C04B041-87

CC 57-2 (Ceramics)

Section cross-reference(s): 48, 67

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 09067174	A	19970311	JP 1995-256681	19950830
PRAI JP 1995-256681		19950830		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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JP 09067174	ICM	C04B038-00
	ICS	C04B041-87
	IPCI	C04B0038-00 [ICM,6]; C04B0041-87 [ICS,6]
	IPCR	C04B0038-00 [I,C*]; C04B0038-00 [I,A]; C04B0041-45 [I,C*]; C04B0041-50 [I,A]; C04B0041-87 [I,C*]; C04B0041-87 [I,A]

AB Claimed particles comprise ceramic hollow  
particles having compressive strength  $\geq$  600 kg/cm<sup>2</sup>, bulk  
sp. gr. 0.3-0.5 g/cm<sup>3</sup>, and m.p.  $\geq$  1500° coated with powdery  
ceramic compns. having grain size  $\leq$  44  $\mu$ m. Optionally,  
the coatings contain inorg. pigments. The particles are especially suitable

for construction materials, catalysts, adsorbents, etc.

ST lightwt hollow ceramic particle coating strength; construction  
lightwt ceramic particle; catalyst lightwt ceramic  
particle; adsorbent lightwt ceramic particle

IT Clays, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(ball clays, coating compns. containing; coated hollow ceramic  
particles having high strength and lightwt.)

IT Microspheres

Microspheres  
(ceramic, hollow; coated hollow ceramic particles  
having high strength and lightwt.)